

Section II  
Soil and Site Information

Building Site Development  
Bennett County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ZeC: Edwin-----	90	Very limited Low strength Frost action Slope	1.00 0.50 0.04	Very limited Cutbanks cave Slope	1.00 0.04	Very limited Sodium content Slope	1.00 0.04

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Lohmiller-----	85	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Flooding Cutbanks cave Too clayey	0.80 0.10 0.03	Very limited Flooding	1.00
AlB: Altvan-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
AnB: Anselmo-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
AtE: Anselmo-----	45	Somewhat limited Slope Frost action	0.96 0.50	Very limited Cutbanks cave Slope	1.00 0.96	Somewhat limited Slope	0.96
Tassel-----	30	Somewhat limited Depth to soft bedrock Slope	1.00 0.96	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.96 0.10	Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.96
Bk: Bankard-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.62
Bo: Orthents, Hummocky--	90	Not rated		Not rated		Not rated	
CnF: Canyon-----	60	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Sandstone-----	20	Not rated		Not rated		Not rated	
CoF: Canyon-----	50	Very limited Slope	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
Oglala-----	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Cr: Canyon-----	60	Very limited Slope	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	0.10	Droughty	1.00
Rock Outcrop, Sandy-	25	Not rated		Not rated		Not rated	
CyD2: Canyon-----	60	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
				Cutbanks cave	0.10	Droughty	1.00
Rosebud-----	30	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
				Cutbanks cave	0.10		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DkA: Dawes-----	60	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	
Keith-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DrB: Dawes-----	65	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	
Richfield-----	30	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
DsB: Dunday-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Vetal-----	3	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DtA: Dunday-----	60	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Anselmo-----	30	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
DtC: Dunday-----	65	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Anselmo-----	25	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Du: Dunday-----	50	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Elsmere-----	45	Somewhat limited Frost action Depth to saturated zone	0.50 0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Droughty Depth to saturated zone	0.17 0.03
DvB: Dunday-----	50	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Valentine-----	35	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.34
EhF: Epping-----	55	Very limited Slope  Depth to soft bedrock	1.00  1.00	Very limited Depth to soft bedrock Slope  Cutbanks cave	1.00  1.00  0.10	Very limited Depth to bedrock  Slope  Droughty	1.00  1.00  1.00
Kadoka-----	30	Very limited Low strength Slope  Frost action	1.00 0.63  0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.42  0.10	Somewhat limited Slope Depth to bedrock	0.63 0.42
Ga: Gannett-----	85	Very limited Frost action  Depth to saturated zone	1.00  1.00	Very limited Depth to saturated zone Cutbanks cave	1.00  1.00	Very limited Depth to saturated zone Droughty	1.00  0.03
GoA: Mobridge-----	90	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
GoB: Mobridge-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gr: Nihill-----	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Gravel content Droughty Content of large stones	1.00 0.33 0.06 0.01
HaA: Haverson-----	90	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding	0.60
HtB: Holt-----	45	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.20
Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
HtC: Holt-----	45	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.20
Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Hv: Hoven-----	95	Very limited Depth to saturated zone Low strength Shrink-swell Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Depth to saturated zone Sodium content Ponding	1.00 1.00 1.00
KaB: Kadoka-----	90	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KeA: Keith-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KeB: Keith-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KhD: Keith-----	65	Very limited Low strength Shrink-swell Frost action Slope	1.00 0.50 0.50 0.16	Somewhat limited Slope Cutbanks cave	0.16 0.10	Somewhat limited Slope	0.16
Colby-----	20	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
KrA: Keith-----	50	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Rosebud-----	45	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
KrB: Keith-----	55	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Rosebud-----	35	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KuC: Keith-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ulysses-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
La: Lamo-----	85	Very limited Frost action Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00  0.78 0.50 0.19	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
Lo: Loup-----	90	Very limited Flooding  Depth to saturated zone Frost action	1.00  1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Ma: Aquolls-----	90	Not rated		Not rated		Not rated	
Me: Minatare-----	80	Very limited Flooding  Frost action Depth to saturated zone	1.00  0.50 0.19	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Sodium content Flooding Depth to saturated zone	1.00 0.60 0.19



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mm: Mosher-----	65	Very limited Shrink-swell Low strength  Frost action	1.00 1.00  0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.61  0.28	Very limited Sodium content	1.00
Minatare-----	30	Somewhat limited Frost action  Depth to saturated zone	0.50  0.19	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Very limited Sodium content  Depth to saturated zone	1.00  0.19
OcE: Oglala-----	50	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Canyon-----	30	Somewhat limited Depth to soft bedrock Slope	1.00  0.63	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00  0.63 0.10	Very limited Depth to bedrock  Droughty Slope	1.00  1.00 0.63
OrA: Oglala-----	65	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
OrB: Oglala-----	50	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
RkA: Richfield-----	45	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Keith-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
RkB: Richfield-----	45	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Keith-----	40	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
TaF: Tassel-----	60	Very limited Slope  Depth to soft bedrock	1.00  1.00	Very limited Depth to soft bedrock Slope  Cutbanks cave	1.00  1.00 0.10	Very limited Depth to bedrock Slope  Droughty	1.00  1.00 1.00
Anselmo-----	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
TnB: Anselmo-----	45	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
TnC: Tuthill-----	40	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Anselmo-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
VaC: Valentine-----	90	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Droughty	0.37 0.34
VaD: Valentine-----	85	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.34
VeD: Valentine-----	60	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.34

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tassel-----	25	Very limited Depth to soft bedrock Slope	1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Droughty Slope	1.00 1.00 1.00
VgA: Mobridge-----	45	Very limited Low strength  Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Vetal-----	45	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
VhD: Vetal-----	60	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Holt-----	25	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.20
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated		Not rated	